

TITLE
CELLULAR ARRAYS FOR THE IDENTIFICATION OF ALTERED GENE
EXPRESSION

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to the generation and use of a cellular array or a cellular
array in combination with other genome-registered arrays (an array of arrays) for the
determination of gene function and/or perturbation mode of action. Each cellular array
consists of a number of microbial strains. Each strain comprises one reporter gene fusion
made up of a gene or gene fragment operably linked to a reporter gene. Each gene or gene
10 fragment has been "registered" or mapped to a specific location in the genome of the
organism. The genome-registered collection of the invention may be used to determine
alterations in gene expression under a variety of conditions. Such collections are amenable
to rapid assay and may be used to confirm, correct or augment data generated from DNA
micro array technology

SNF/dmm